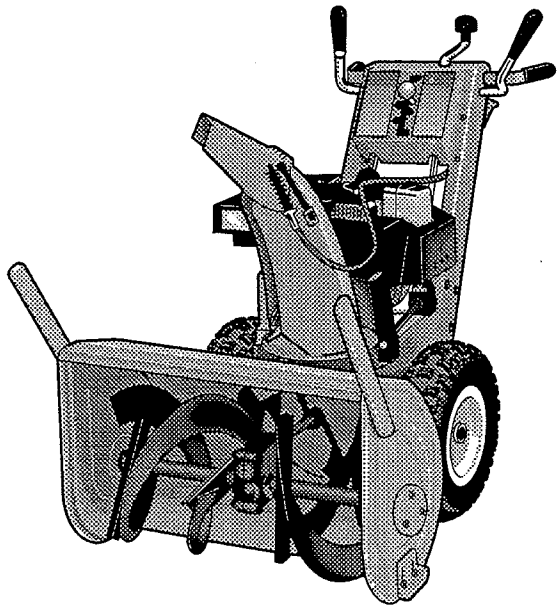
Baker™

PARTS MANUAL

WALK BEHIND SNOWTHROWER

Models

8/24E & 9/28



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TORQUE SPEFICATION CHART ..... Inside rear cover

This parts manual covers the following Manufacturer's Numbers:

Simplicity Models

8-60
Mfg. No. 1691900, from Serial No. 11508 & up
Mfg. No. 1692469

8-70
Mfg. No. 1691898, from Serial No. 2835 & up
Mfg. No. 1691947, from Serial No. 1106 & up

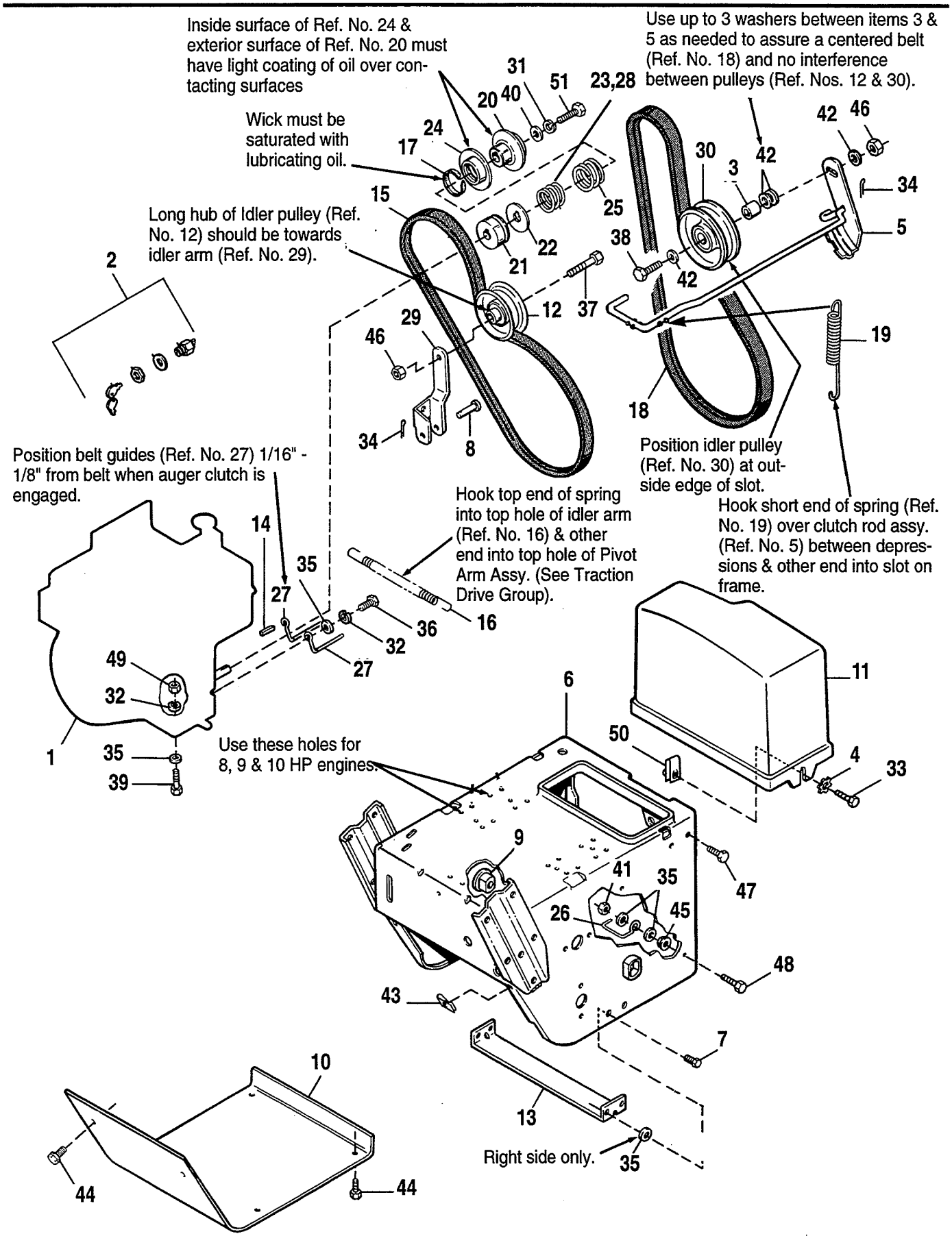
9-70
Mfg. No. 1692569
Mfg. No. 1692570

10-80
Mfg. No. 1691899, from Serial No. 1941 & up
Mfg. No. 1691948, from Serial No. 1216 & up

Baker Models

8/24E
Mfg. No. 1692616

9/28
Mfg. No. 1692617


Inside surface of Ref. No. 24 & exterior surface of Ref. No. 20 must have light coating of oil over contacting surfaces
Use up to 3 washers between items 3 & 5 as needed to assure a centered belt (Ref. No. 18) and no interference between pulleys (Ref. Nos. 12 & 30).
Wick must be saturated with lubricating oil.
Long hub of Idler pulley (Ref. No. 12) should be towards idler arm (Ref. No. 29).
Position belt guides (Ref. No. 27) 1/16" - 1/8" from belt when auger clutch is engaged.
Hook top end of spring into top hole of idler arm (Ref. No. 16) & other end into top hole of Pivot Arm Assy. (See Traction Drive Group).
Position idler pulley (Ref. No. 30) at outside edge of slot.
Hook short end of spring (Ref. No. 19) over clutch rod assy. (Ref. No. 5) between depressions & other end into slot on frame.
Use these holes for 8, 9 & 10 HP engines.
Right side only.
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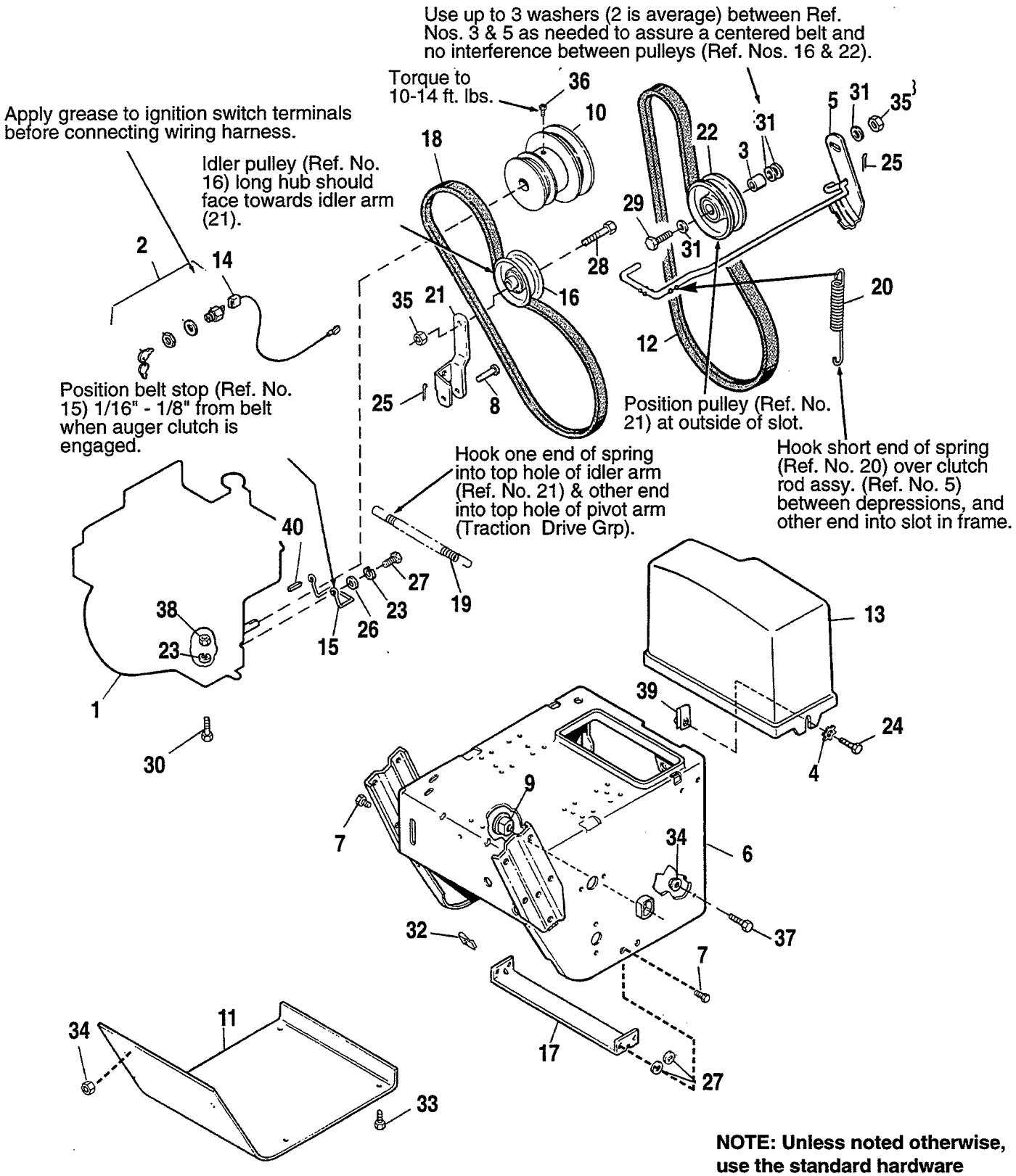
Mfg. Nos. 1691898, 1691899, 1691947, 1691948, 1692569, 1692570, 1692617

Engine & Frame

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	*	1	ENGINE, Tecumseh
2	*	1	IGNITION SWITCH ASSY.
3	157081	1	SPACER
4	920426	2	LOCKWASHER, Ext. Tooth, 5/16
5	1612200	1	CLUTCH ROD & BRAKE ASSY.
6	1612458	1	FRAME, Main
7	1664847	4	SCREW, Taptite, 5/16-18 x 3/8
8	1665994	1	PIN
9	1666001	2	BUSHING, Axle
10	1666374	1	COVER, Bottom
11	1667516	1	GUARD, Belt
12	1668477	1	PULLEY, Idler
13	1669198	1	SUPPORT, Tie Bar
14	1672129	1	KEY, Parallel, 3/16 x 13/16 x 7/8
15	1672732	1	BELT, Traction
16	1672735	1	SPRING, Idler
17	1685366	1	WICK, Oil
18	1701257	1	BELT, Auger Drive
19	1701595	1	SPRING, Extension
20	1701776	1	PULLEY, Half, Drive
21	1701783	1	PULLEY, Traction
22	1701818	1	WASHER, Thrust
23	1701849	1	SPRING, Compression (Model 10-80)
24	1702017	1	PULLEY, Half
25	1702425	1	SPRING, Compression
26	1702969	2	BELT GUIDE
27	1702970	2	BELT GUIDE
28	1702979	1	SPRING, Compression (Model 8-70 , 9-70 & 9/28)
29	1703046	1	ARM, Idler, Traction
30	1708030	1	PULLEY ASSY.
31	1916965	1	LOCKWASHER, Spring, 3/8
32	1917356	6	LOCKWASHER, 5/16
33	1918249	2	SCREW, Truss Hd., 5/16-18 x 3/4
34	1918451	2	PIN,Cotter,1/8 x 3/4
35	1919326	7	WASHER,11/32 x 3/4
36	1921515	2	CAPSCREW, Hex. Hd., 5/16-24 x 3/4
37	1921969	1	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
38	1921971	1	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
39	1922127	4	CAPSCREW, Hex Hd., 5/16-18 x 2
40	1922755	1	WASHER,13/32 x 1
41	1923362	2	NUT, Hex, Centerlock, 5/16-18
42	1924940	3	WASHER, Flat, 13/32
43	1926018	6	NUT, Speed, 1/4-20
44	1927428	6	SCREW, Taptite, 1/4-20 x 3/8
45	1927557	4	NUT, Hex, Whizlock, 5/16-18
46	1928731	2	LOCKNUT, Jam, 3/8-16
47	1930591	4	CAPSCREW, Whizlock, 5/16-18 x 3/4
48	1930595	2	CAPSCREW, Whizlock, 5/16-18 x 1-1/4
49	1931277	4	NUT, Hex, 5/16-18
50	1935255	2	NUT, Speed, 5/16-18
51	1960345	1	CAPSCREW, Hex Hd., 3/8-24 x 2

*** See your local Tecumseh distributor for parts and service.**

NOTE: Use Simplicity SAE 5W-30 Cold Weather Engine Oil.



NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).

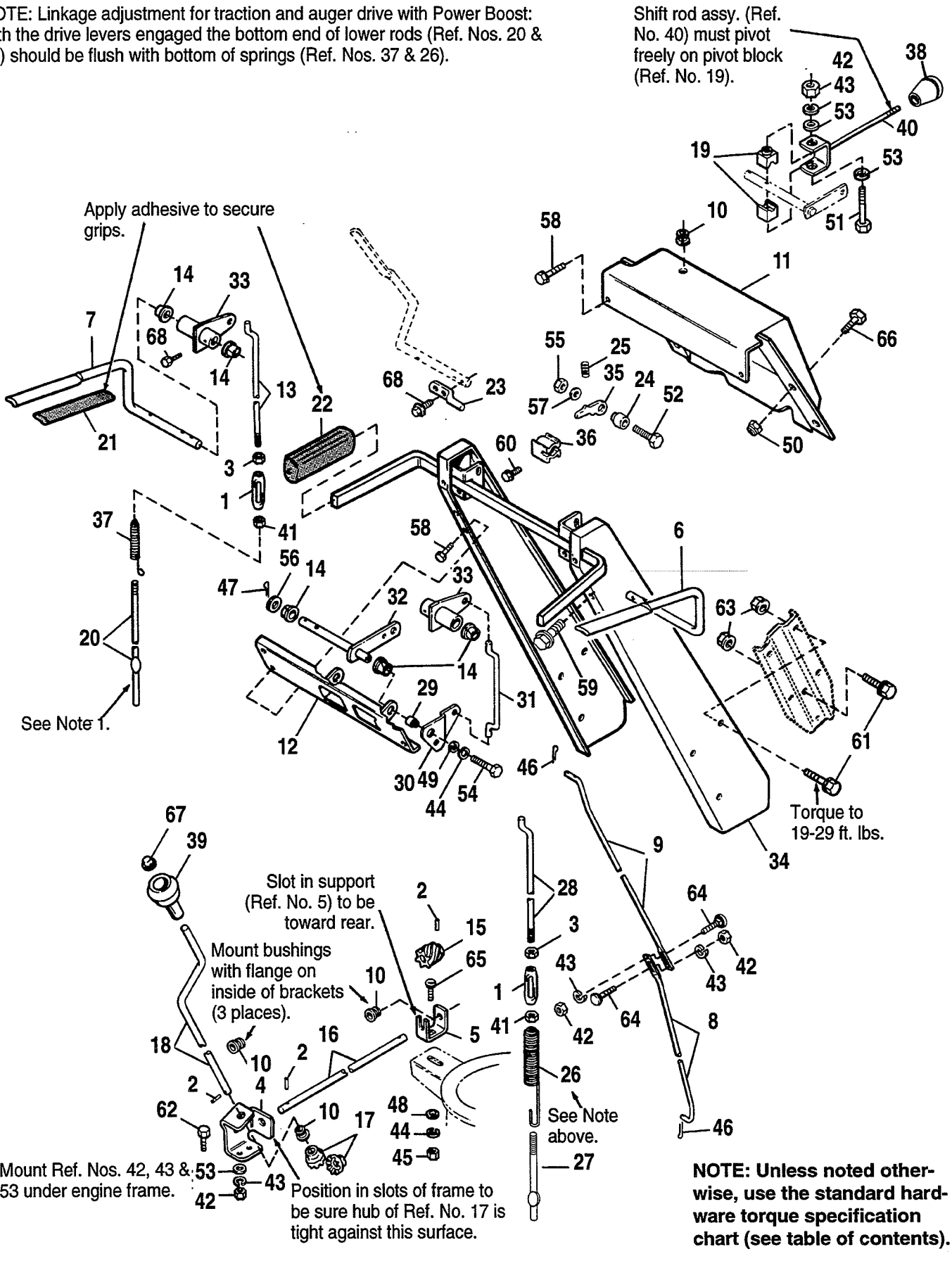
Engine & Frame

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	*	1	ENGINE, Tecumseh
2	*	1	IGNITION SWITCH ASSY.
3	157081	1	SPACER
4	920426	2	LOCKWASHER, Ext. Tooth, 5/16
5	1612200	1	CLUTCH ROD & BRAKE ASSY.
6	1612458	1	FRAME, Main
7	1664847	4	SCREW, Taptite, 5/16-18 x 3/8
8	1665994	1	PIN
9	1666001	2	BUSHING, Axle
10	1666109	1	PULLEY, Double
11	1666374	1	COVER, Bottom
12	1666655	1	BELT, Auger Drive
13	1667516	1	GUARD, Belt
14	1667700	1	WIRE, Ground
15	1668174	1	BELT GUIDE
16	1668477	1	PULLEY, Idler
17	1669198	1	SUPPORT, Tie Bar
18	1672732	1	BELT, Traction
19	1672735	1	SPRING, Idler
20	1701595	1	SPRING, Extension
21	1703046	1	ARM, Idler, Traction
22	1708030	1	PULLEY ASSY.
23	1917356	6	LOCKWASHER, 5/16
24	1918249	2	SCREW, Truss Hd., 5/16-18 x 3/4
25	1918451	2	PIN,Cotter, 1/8 x 3/4
26	1919326	7	WASHER, 11/32 x 3/4
27	1921515	2	CAPSCREW, Hex. Hd., 5/16-24 x 3/4
28	1921969	1	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
29	1921971	1	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
30	1922127	4	CAPSCREW, Hex Hd., 5/16-18 x 2
31	1924940	3	WASHER, Flat,13/32
32	1926018	6	NUT, Speed, 1/4-20
33	1927428	6	SCREW. Taptite, 1/4-20 x 3/8
34	1927557	4	NUT, Hex, Whizlock, 5/16-18
35	1928731	2	LOCKNUT, Jam, 3/8-16
36	1930540	1	SETSCREW, Socket Hd., 5/16-18 x 5/8
37	1930591	4	CAPSCREW, Whizlock, 5/16-18 x 3/4
38	1931277	4	NUT, Hex, 5/16-18
39	1935255	2	NUT, Speed, 5/16-18
40	8221042	1	KEY, 3/16 x 3/16 x 1-1/2

*** See your local Tecumseh distributor for parts and service.**

NOTE: Use Simplicity SAE 5W-30 Cold Weather Engine Oil.

NOTE: Linkage adjustment for traction and auger drive with Power Boost: with the drive levers engaged the bottom end of lower rods (Ref. Nos. 20 & 27) should be flush with bottom of springs (Ref. Nos. 37 & 26).


Shift rod assy. (Ref. No. 40) must pivot freely on pivot block (Ref. No. 19).
Apply adhesive to secure grips.
See Note 1.
Torque to 19-29 ft. lbs.
Slot in support (Ref. No. 5) to be toward rear.
Mount bushings with flange on inside of brackets (3 places).
See Note above.
Mount Ref. Nos. 42, 43 & 53 under engine frame.
Position in slots of frame to be sure hub of Ref. No. 17 is tight against this surface.

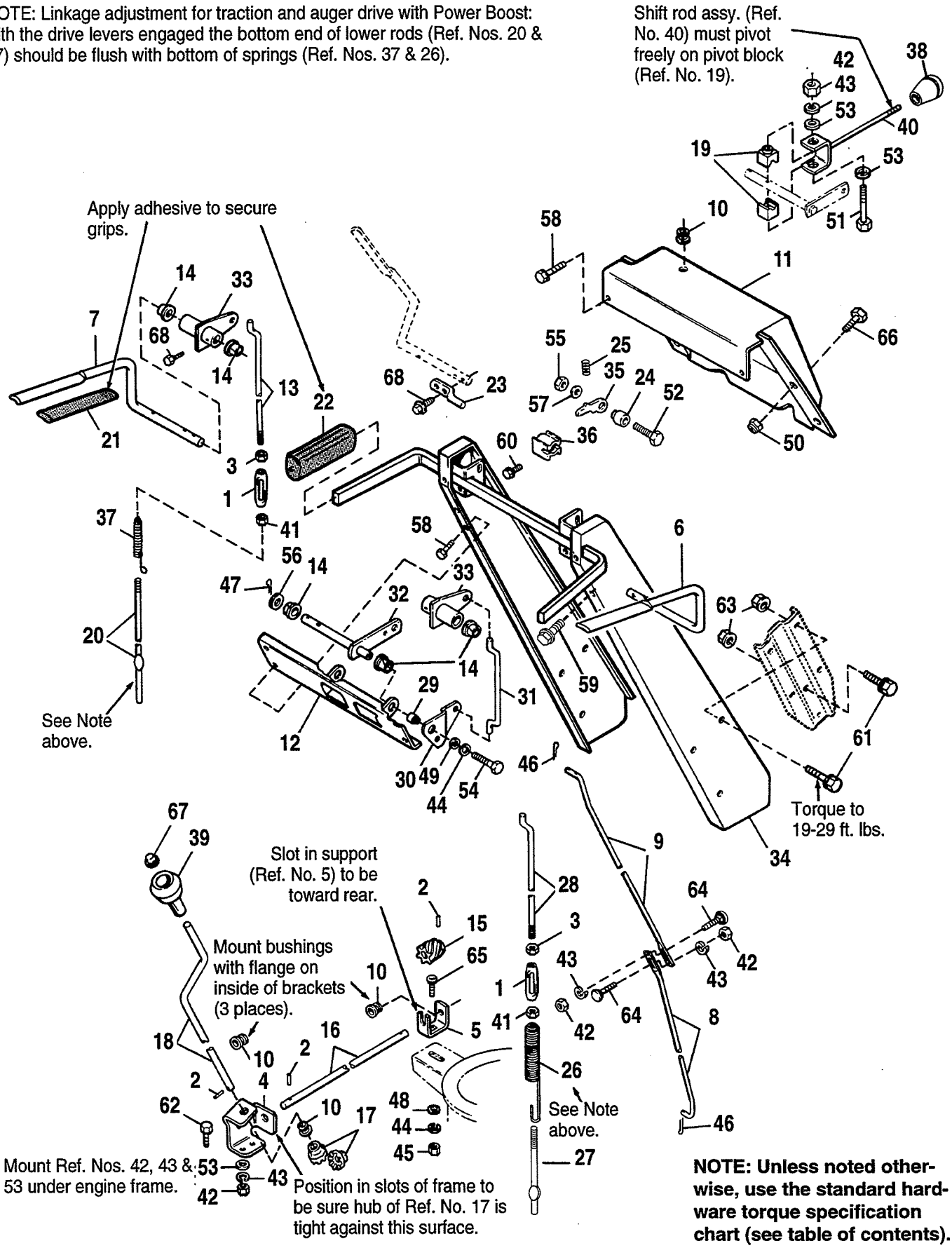
NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).

Handle & Controls

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	108775	2	TURNBUCKLE
2	916168	3	PIN, Roll,1/8 x 3/4
3	928704	2	NUT, Hex, #10-24, LH
4	1611910	1	SUPPORT, Universal Gear
5	1611911	1	SUPPORT, Worm
6	1612165	1	HANDLE, Clutch RH
7	1612167	1	HANDLE, Clutch, LH
8	1666255	1	ROD, Shift-Lower
9	1666256	1	ROD, Shift-Upper
10	1667588	4	BUSHING, Plastic
11	1667800	1	DASH, Handle
12	1668050	1	BRACKET, Shift Control
13	1668121	2	ROD, Clutch-Upper
14	1668185	5	BUSHING, Plastic
15	1668186	1	WORM, Chute
16	1668187	1	ROD, Chute Worm
17	1668188	2	GEAR, Universal
18	1668189	1	ROD, Chute Control
19	1668524	2	BLOCK, Pivot
20	1668526	1	ROD, Clutch-Lower, Traction
21	1668608	2	GRIP, Clutch
22	1671041	2	GRIP, Handle Bar
23	1677453	1	ROD, Control
24	1678579	1	SPACER, Special
25	1701342	1	SPRING
26	1701996	1	SPRING, Extension
27	1702004	1	ROD, Clutch-Lower, Auger
28	1702485	1	ROD, Clutch-Upper , Auger
29	1702552	1	SPACER
30	1702662	1	LEVER, Clutch
31	1702663	1	ROD, Clutch
32	1703043	1	PIVOT ROD ASSY.
33	1704255	2	CLUTCH LEVER ASSY.
34	1705825	1	HANDLE ASSY.
35	1705898	1	LATCH, Control
36	1705899	1	GUIDE, Control
37	1707452	1	SPRING
38	1713844	1	KNOB
39	1714084	1	KNOB, Spinner
40	1714120	1	SHIFT ROD ASSY.

Ref. Nos. 41 - 68 are on the following page.

NOTE: Linkage adjustment for traction and auger drive with Power Boost: with the drive levers engaged the bottom end of lower rods (Ref. Nos. 20 & 27) should be flush with bottom of springs (Ref. Nos. 37 & 26).


Shift rod assy. (Ref. No. 40) must pivot freely on pivot block (Ref. No. 19).
Apply adhesive to secure grips.
See Note above.
Torque to 19-29 ft. lbs.
Slot in support (Ref. No. 5) to be toward rear.
Mount bushings with flange on inside of brackets (3 places).
See Note above.
Mount Ref. Nos. 42, 43 & 53 under engine frame.
Position in slots of frame to be sure hub of Ref. No. 17 is tight against this surface.

NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).

Handle & Controls

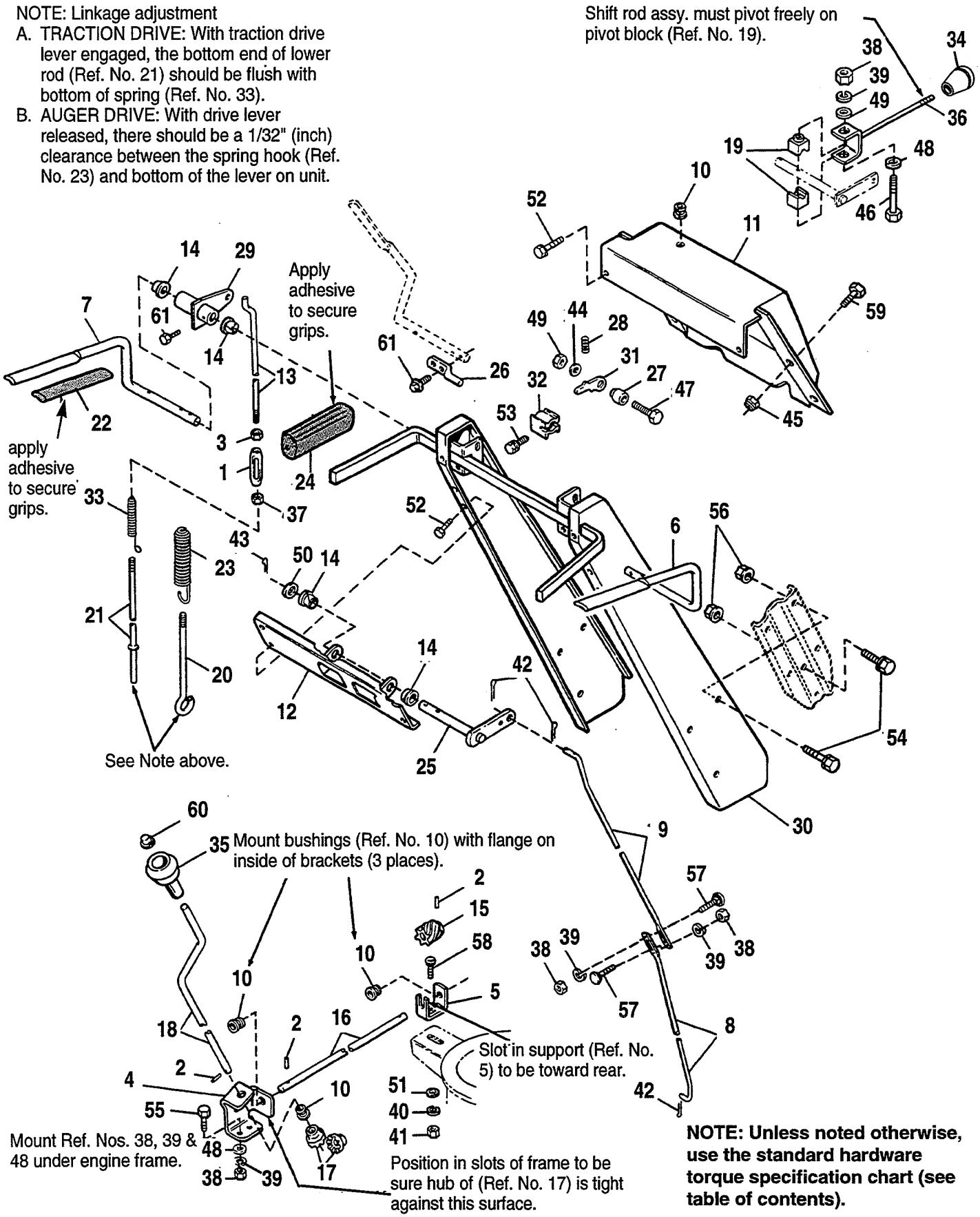
REF. NO.	PART NO.	QTY.	DESCRIPTION
41	1916621	2	NUT, Hex, #10-24, RH
42	1916622	5	NUT, Hex, 1/4-20
43	1916964	5	LOCKWASHER,1/4
44	1917356	8	LOCKWASHER, 5/16
45	1917372	7	NUT, Hex, 5/16-18
46	1918447	3	PIN Cotter
47	1918452	2	PIN, Cotter, 1/8 x 1
48	1919326	2	WASHER, Flat,11/32
49	1919381	1	WASHER, Plain, 5/16 x 1
50	1920397	4	NUT, Nylon Lock, 1/4-20
51	1921159	1	CAPSCREW, Hex Hd., 1/4-20 x 2-1/4
52	1921221	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
53	1921319	4	WASHER, Flat, 9/32
54	1922127	1	CAPSCREW, Hex Hd., 5/16-18 x 1-3/4
55	1923362	1	NUT, Hex, Lock, 5/16-18
56	1924361	1	WASHER
57	1924940	1	WASHER, 13/32
58	1925003	6	SCREW, Taptite,1/4-20 x 1/2
59	1927429	2	SCREW, Hex, Washer Hd., Taptite, 1/4-20 x 3/8
60	1928732	2	SCREW, Taptite, #10-32 x 1.00
61	1930591	6	CAPSCREW, Whizlock, 5/16-18 x 3/4
62	1930594	2	CAPSCREW, Hex Hd., 1/4-20 x 3/4
63	1931277	6	NUT, Hex, Flange, Whizlock, 5/16-18
64	1931317	2	CARRIAGE BOLT,1/4-20 x 3/4
65	1931333	1	CARRIAGE BOLT, 5/16-18 x 3/4
66	1935450	4	CAPSCREW, Washer Hd., 1/4-20 x 3/4
67	1960093	1	PALNUT
68	1960471	4	SCREW, Taptite, #12-24 x 1

Ref. Nos. 1 - 40 are on the preceding page.

NOTE: Linkage adjustment

A. TRACTION DRIVE: With traction drive lever engaged, the bottom end of lower rod (Ref. No. 21) should be flush with bottom of spring (Ref. No. 33).

B. AUGER DRIVE: With drive lever released, there should be a 1/32" (inch) clearance between the spring hook (Ref. No. 23) and bottom of the lever on unit.


Shift rod assy. must pivot freely on pivot block (Ref. No. 19).
Apply adhesive to secure grips.
apply adhesive to secure grips.
See Note above.
Mount bushings (Ref. No. 10) with flange on inside of brackets (3 places).
Slot in support (Ref. No. 5) to be toward rear.
Mount Ref. Nos. 38, 39 & 48 under engine frame.
Position in slots of frame to be sure hub of (Ref. No. 17) is tight against this surface.

NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).

Handle & Controls

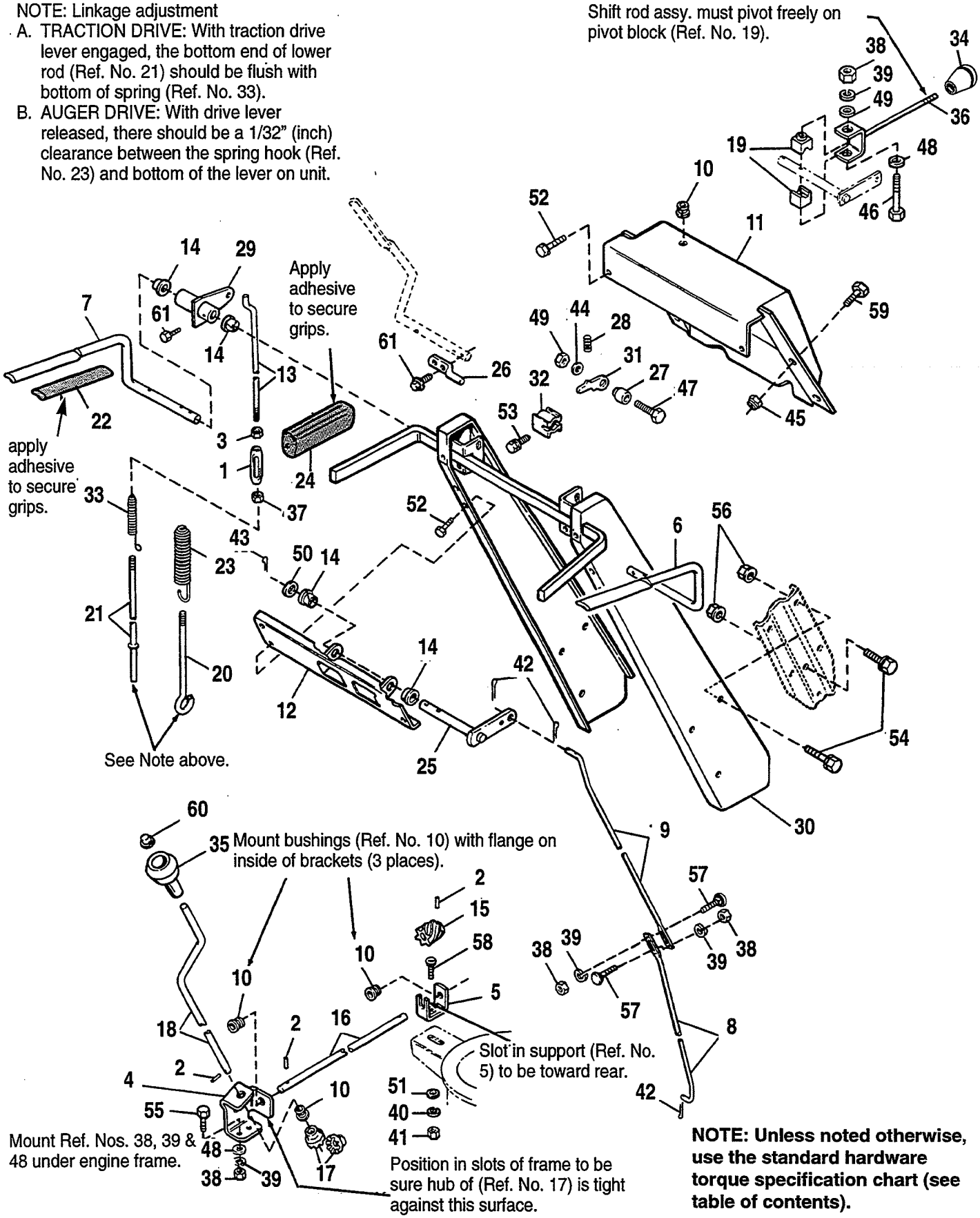
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	108775	2	TURNBUCKLE
2	916168	3	PIN, Roll, 1/8 x 3/4
3	928704	2	NUT, Hex, #10-24, LH
4	1611910	1	SUPPORT, Universal Gear
5	1611911	1	SUPPORT, Worm
6	1612165	1	HANDLE, Clutch RH
7	1612167	1	HANDLE, Clutch, LH
8	1666255	1	ROD, Shift, Lower
9	1666256	1	ROD, Shift, Upper
10	1667588	4	BUSHING, Plastic
11	1667800	1	DASH, Handle
12	1668050	1	BRACKET, Shift Control
13	1668121	2	ROD, Clutch-Upper
14	1668185	5	BUSHING, Plastic
15	1668186	1	WORM, Chute
16	1668187	1	ROD, Chute Worm
17	1668188	2	GEAR, Universal
18	1668189	1	ROD, Chute Control
19	1668524	2	BLOCK, Pivot
20	1668525	1	ROD, Clutch-Lower, Auger
21	1668526	1	ROD, Clutch-Lower, Traction
22	1668608	2	GRIP, Clutch
23	1669323	1	SPRING, Extension
24	1671041	2	GRIP, Handle Bar
25	1674567	1	PIVOT ROD ASSY.
26	1677453	1	ROD, Control
27	1678579	1	SPACER, Special
28	1701342	1	SPRING
29	1704255	2	CLUTCH LEVER ASSY.
30	1705825	1	HANDLE ASSY.
31	1705898	1	LATCH, Control
32	1705899	1	GUIDE, Control
33	1707452	1	SPRING
34	1713844	1	KNOB
35	1714084	1	KNOB, Spinner
36	1714120	1	SHIFT ROD ASSY.
37	1916621	2	NUT, Hex, #10-24, RH
38	1916622	5	NUT, Hex, 1/4-20
39	1916964	5	LOCKWASHER, 1/4
40	1917356	7	LOCKWASHER, 5/16

Ref. Nos. 41 - 61 are on the following page.

NOTE: Linkage adjustment

A. TRACTION DRIVE: With traction drive lever engaged, the bottom end of lower rod (Ref. No. 21) should be flush with bottom of spring (Ref. No. 33).

B. AUGER DRIVE: With drive lever released, there should be a 1/32" (inch) clearance between the spring hook (Ref. No. 23) and bottom of the lever on unit.

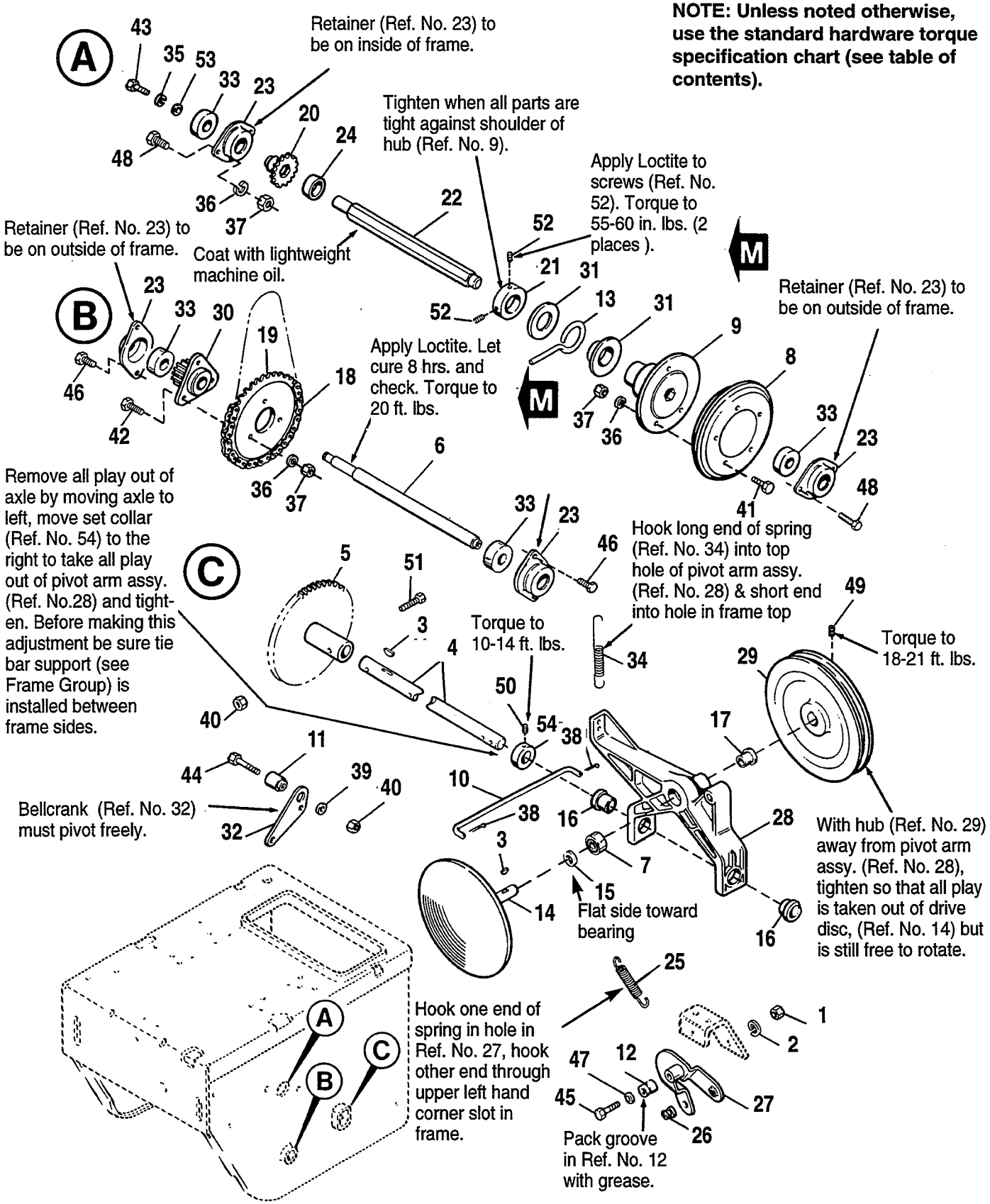

Shift rod assy. must pivot freely on pivot block (Ref. No. 19).
Apply adhesive to secure grips.
apply adhesive to secure grips.
See Note above.
Mount bushings (Ref. No. 10) with flange on inside of brackets (3 places).
Slot in support (Ref. No. 5) to be toward rear.
Mount Ref. Nos. 38, 39 & 48 under engine frame.
Position in slots of frame to be sure hub of (Ref. No. 17) is tight against this surface.

NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).

REF. NO.	PART NO.	QTY.	DESCRIPTION
41	1917372	7	NUT, Hex, 5/16-18
42	1918447	3	PIN, Cotter
43	1918452	1	PIN, Cotter, 1/8 x 1
44	1919326	1	WASHER, Plain, 11/32
45	1920397	4	NUT, Nylon Lock, 1/4-20
46	1921159	1	CAPSCREW, Hex Hd., 1/4-20 x 2-1/4
47	1921221	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
48	1921319	4	WASHER, Flat, 9/32
49	1923362	2	NUT, Hex Lock, 5/16-18
50	1924361	1	WASHER
51	1924940	1	WASHER, Flat,13/32
52	1925003	6	SCREW, Taptite, 1/4-20 x 1/2
53	1928732	1	SCREW, Taptite, #10-24 x 1
54	1930591	6	CAPSCREW, Whizlock, 5/16-18 x 3/4
55	1930594	2	CAPSCREW, Hex Hd.,1/4-20 x 3/4
56	1931277	6	NUT, Hex, Flange Whizlock, 5/8-18
57	1931317	2	CARRIAGE BOLT,1/4-20 x 3/4
58	1931333	1	CARRIAGE BOLT, 5/16-18 x 3/4
59	1935450	4	CAPSCREW, Washer Hd., 1/4-20 x 3/4
60	1960093	1	PALNUT
61	1960471	4	SCREW, Taptite, #10-24 x 1

Ref. Nos. 1 - 40 are on the preceeding page.

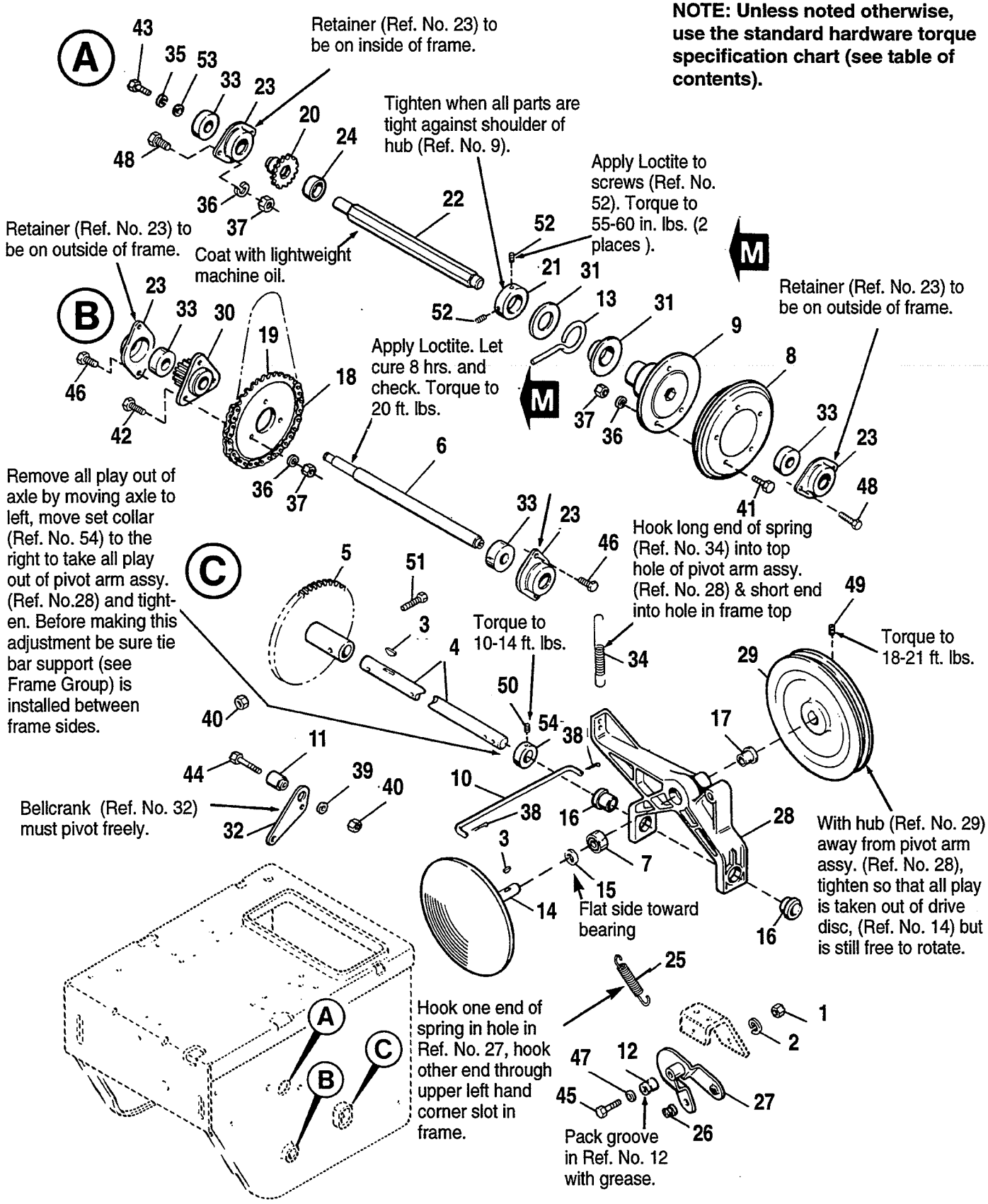
NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).


Retainer (Ref. No. 23) to be on inside of frame.
Tighten when all parts are tight against shoulder of hub (Ref. No. 9).
Apply Loctite to screws (Ref. No. 52). Torque to 55-60 in. lbs. (2 places).
Retainer (Ref. No. 23) to be on outside of frame.
Coat with lightweight machine oil.
Retainer (Ref. No. 23) to be on outside of frame.
Apply Loctite. Let cure 8 hrs. and check. Torque to 20 ft. lbs.
Remove all play out of axle by moving axle to left, move set collar (Ref. No. 54) to the right to take all play out of pivot arm assy. (Ref. No.28) and tighten. Before making this adjustment be sure tie bar support (see Frame Group) is installed between frame sides.
Hook long end of spring (Ref. No. 34) into top hole of pivot arm assy. (Ref. No. 28) & short end into hole in frame top
Torque to 10-14 ft. lbs.
Torque to 18-21 ft. lbs.
Bellcrank (Ref. No. 32) must pivot freely.
With hub (Ref. No. 29) away from pivot arm assy. (Ref. No. 28), tighten so that all play is taken out of drive disc, (Ref. No. 14) but is still free to rotate.
Flat side toward bearing
Hook one end of spring in hole in Ref. No. 27, hook other end through upper left hand corner slot in frame.
Pack groove in Ref. No. 12 with grease.

Traction Drive

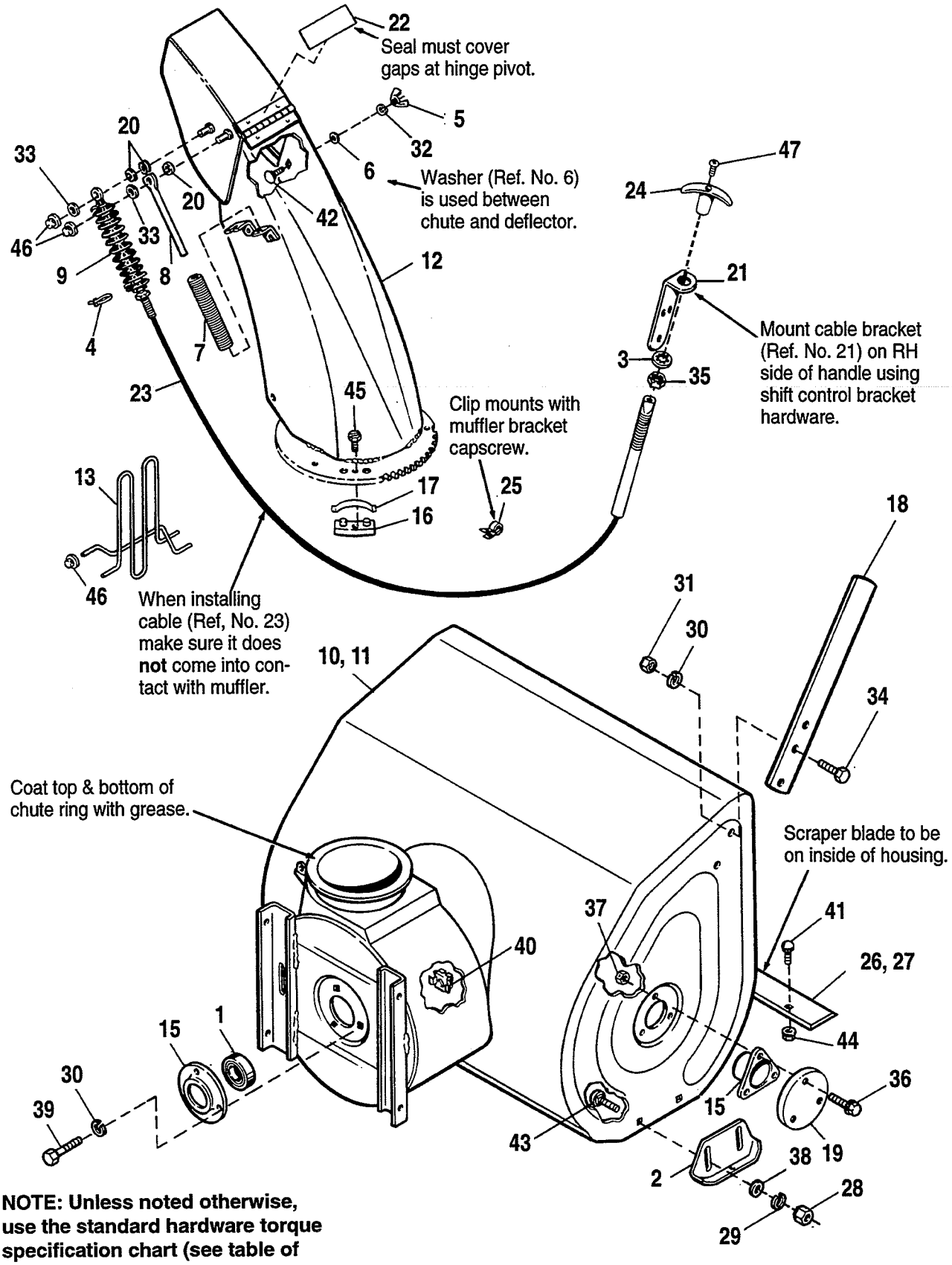
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	916950	1	NUT, Hex, 3/8-16
2	916965	1	LOCKWASHER, 3/8
3	918312	2	KEY, Woodruff, 3/16 x 5/8
4	1612084	1	AXLE
5	1612086	1	GEAR ASSY.
6	1612160	1	JACKSHAFT
7	1665521	1	BEARING
8	1665975	1	DISC, Friction
9	1665995	1	HUB, Friction Disc
10	1666105	1	ROD, Pivot
11	1666106	1	BUSHING, Pivot
12	1666114	1	BUSHING, Spacer
13	1666207	1	PIN, Slide
14	1666230	1	DISC, Drive
15	1666379	1	WASHER
16	1666425	2	BUSHING
17	1666855	1	BUSHING
18	1666980	1	CHAIN, Drive
19	1667330	1	SPROCKET, 36 Tooth
20	1667331	1	SPROCKET, 10 Tooth
21	1667335	1	SET COLLAR
22	1667340	1	SHAFT, Hex
23	1667341	4	RETAINER, Bearing
24	1667501	1	SPACER
25	1668255	1	SPRING
26	1669255	1	BUSHING, Ball
27	1669256	1	ARM ASSY., Shift w/Bushings (Includes Ref. No. 26)
28	1670849	1	ARM ASSY., Pivot w/Bushings
29	1672595	1	PULLEY, Traction
30	1672775	1	GEAR & BEARING ASSY., 10 Tooth
31	1678956	2	COLLAR, Thrust
32	1700473	1	BELLCRANK
33	1705897	4	BEARING
34	1707002	1	SPRING
35	1916964	1	LOCKWASHER, 1/4
36	1917356	10	LOCKWASHER, 5/16
37	1917372	10	NUT, Hex, 5/16-18
38	1918451	2	PIN, Cotter, 1/8 x 3/4
39	1919326	1	WASHER, Flat, 11/32
40	1919438	2	NUT, Hex, Lock, 5/16-18

Ref. Nos. 41 - 54 are on the following page.


NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).
Retainer (Ref. No. 23) to be on inside of frame.
Tighten when all parts are tight against shoulder of hub (Ref. No. 9).
Apply Loctite to screws (Ref. No. 52). Torque to 55-60 in. lbs. (2 places).
Retainer (Ref. No. 23) to be on outside of frame.
Coat with lightweight machine oil.
Retainer (Ref. No. 23) to be on outside of frame.
Apply Loctite. Let cure 8 hrs. and check. Torque to 20 ft. lbs.
Remove all play out of axle by moving axle to left, move set collar (Ref. No. 54) to the right to take all play out of pivot arm assy. (Ref. No.28) and tighten. Before making this adjustment be sure tie bar support (see Frame Group) is installed between frame sides.
Hook long end of spring (Ref. No. 34) into top hole of pivot arm assy. (Ref. No. 28) & short end into hole in frame top
Torque to 10-14 ft. lbs.
Torque to 18-21 ft. lbs.
Bellcrank (Ref. No. 32) must pivot freely.
With hub (Ref. No. 29) away from pivot arm assy. (Ref. No. 28), tighten so that all play is taken out of drive disc, (Ref. No. 14) but is still free to rotate.
Flat side toward bearing
Hook one end of spring in hole in Ref. No. 27, hook other end through upper left hand corner slot in frame.
Pack groove in Ref. No. 12 with grease.
A
B
C
M

REF. NO.	PART NO.	QTY.	DESCRIPTION
41	1921332	3	CAPSCREW, Hex Hd., 5/16-18 x 3/4
42	1921333	3	CAPSCREW, Hex Hd., 5/16-18 x 1
43	1921959	1	CAPSCREW, Hex Hd., 1/4-20 x 5/8
44	1922127	1	CAPSCREW, Hex Hd., 5/16-18 x 1-3/4
45	1923701	1	CAPSCREW, Hex Hd., 3/8-16 x 2
46	1924856	4	SCREW, Taptite, 5/16-18 x 1/2
47	1924940	1	WASHER, Flat, 13/32
48	1925205	4	CAPSCREW, Hex Hd., 5/16-18 x 5/8
49	1928721	1	SETSCREW, Sq. Hd., 5/16-18 x 1/2
50	1928721	1	SETSCREW, Sq. Hd., 5/16-18 x 1/2
51	1930570	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
52	1960348	2	SETSCREW, Socket Hd., 1/4-20 x 3/8
53	1960353	1	WASHER, Flat, 1/4
54	8021010	1	SET COLLAR

Ref. Nos. 1 - 40 are on the preceding page.

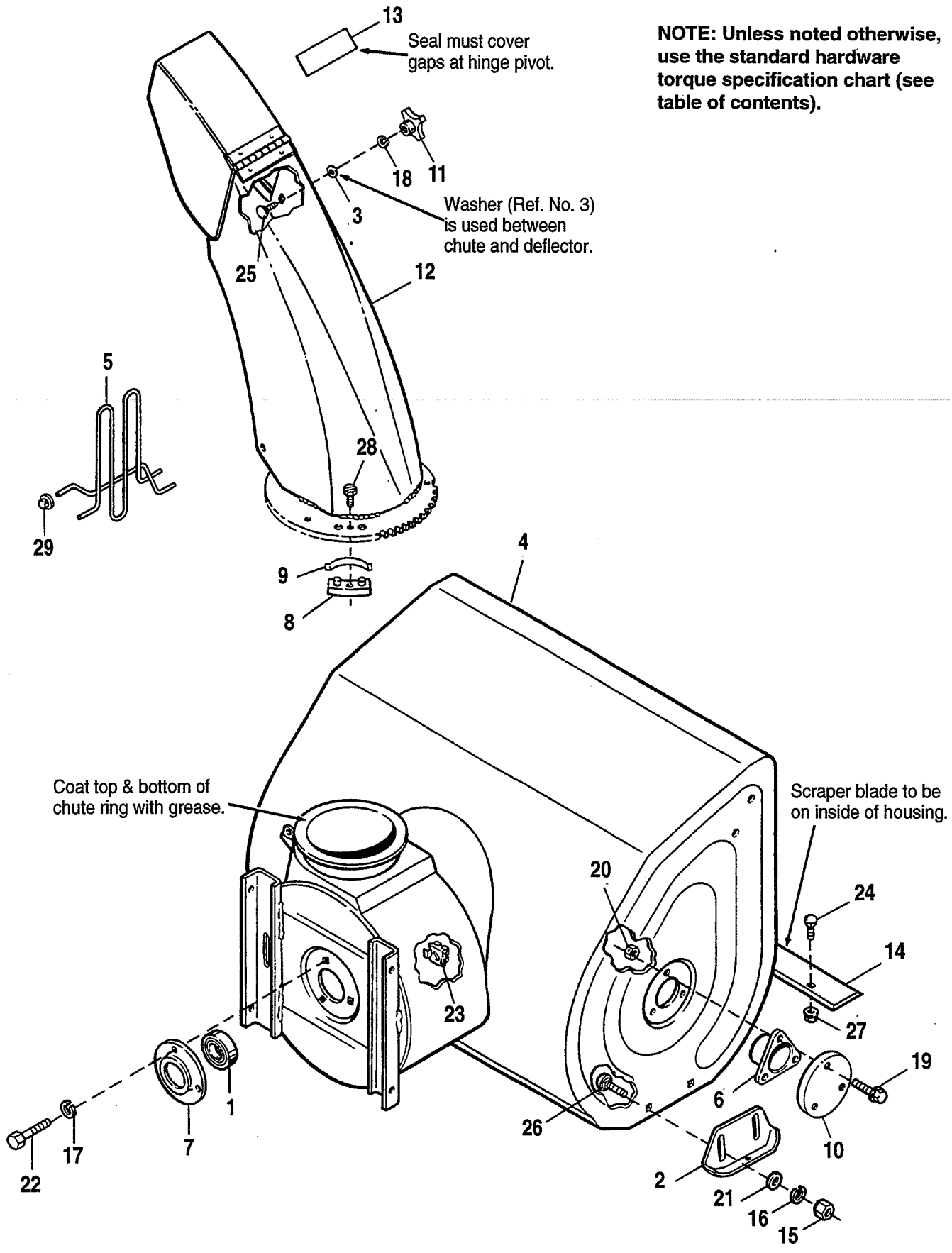


NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).

Auger Housing & Chute

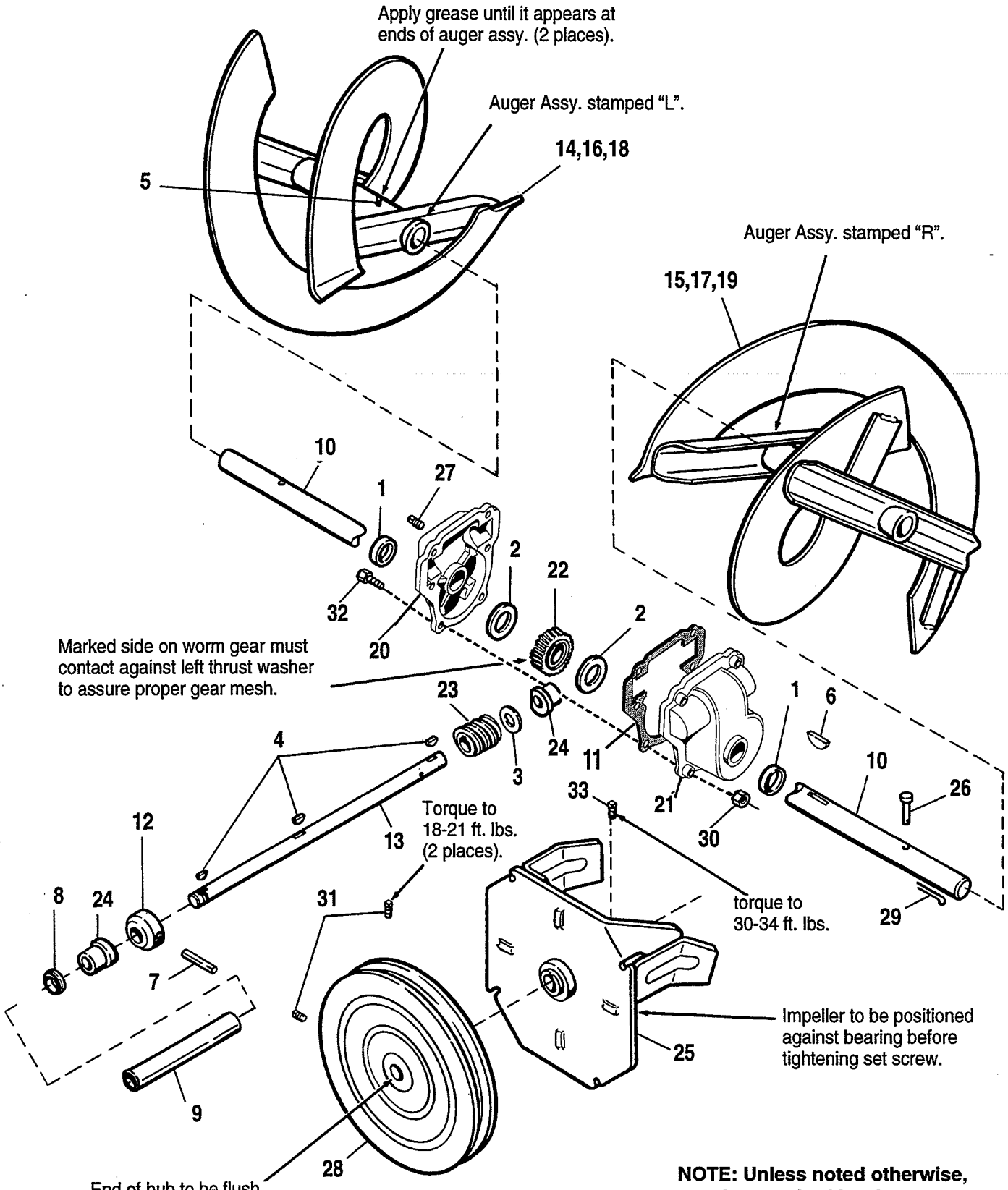
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	108202	1	BEARING, Ball
2	177434	2	SKID
3	918906	1	LOCKWASHER, Int. Tooth
4	932747	2	TIE, Self-Locking, Cable Assy.
5	933126	1	WINGNUT, 5/16-18
6	960210	1	WASHER, Nylon
7	1611939	1	SPRING
8	1611945	1	ROD, Spring
9	1611989	1	BOOT, Water
10	1612185	1	HOUSING ASSY., (8-70, 9-70 & 9/24)
11	1612186	1	HOUSING ASSY., (10-80)
12	1612440	1	CHUTE ASSY.
13	1612455	1	GUARD, Chute
14	1665980	2	BEARING, Auger
15	1665982	1	RETAINER, Bearing
16	1666613	3	HOLD DOWN, Chute
17	1667865	3	SPRING
18	1668171	2	CUTTER, Drift (Available under P/N 1685189, see page 28)
19	1668639	2	BEARING, Cap
20	1702219	3	SPACER
21	1705920	1	BRACKET, Cable
22	1706085	2	SEAL, Hinge
23	1706200	1	CABLE ASSY. (Incl. Ref. Nos. 3, 9, 21 & 36)
24	1706201	1	HANDLE, Cable
25	1708008	1	CLAMP
26	1709947	1	BLADE, Scraper, 8-70, 9-70
27	1709948	1	BLADE, Scraper, 10-80
28	1916950	4	NUT, Hex, 3/8-16
29	1916965	4	LOCKWASHER, 3/8
30	1917356	7	LOCKWASHER, 5/16
31	1917372	4	NUT, 5/16-18
32	1919326	1	WASHER, Flat, 11/32
33	1921319	2	WASHER, Flat
34	1921332	4	CAPSCREW, Hex Hd., 5/16-18 x 3/4
35	1922014	1	NUT, 5/16-18,
36	1923325	6	CAPSCREW, Hex Flange Whizlock, 5/16-18 x 7/8
37	1923362	6	NUT, Hex, Center Lock, 5/16-18
38	1924940	4	WASHER, Flat, 13/32
39	1925205	3	CAPSCREW, Hex Hd., 5/16-18 x 17/64
40	1930659	3	NUT, Retainer, 5/16-18
41	1931332	5	CARRIAGE BOLT, 5/16-18 x 5/8 (Qty. 7 on 10-80)
42	1931333	1	CARRIAGE BOLT, 5/16-18 x 3/4
43	1931348	4	CARRIAGE BOLT, 3/8-16 x 3/4
44	1935048	5	LOCKNUT, Flange, 5/16-18 (Qty. 7 on 10-80)
45	1960001	3	SCREW, Plastite #10
46	1960126	4	PUSH NUT
47	1960499	1	SCREW, Pan Hd., #8-32 x 11/16

NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).



Auger Housing & Chute

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	108202	1	BEARING, Ball
2	177434	2	SKID
3	960210	1	WASHER, Nylon
4	1612184	1	HOUSING ASSY. (8-60 & 8/24E)
5	1612455	1	GUARD, Chute
6	1665980	2	BEARING, Auger
7	1665982	1	RETAINER, Bearing
8	1666613	3	HOLD DOWN, Chute
9	1667865	3	SPRING
10	1668639	2	CAP, Bearing
11	1670578	1	KNOB, w/5/16-18 Thd. Insert
12	1704161	1	CHUTE DEFLECTOR ASSY.
13	1706085	2	SEAL, Chute
14	1709946	1	BLADE, Scraper (8-60)
15	1916950	4	NUT, Hex, 3/8-16
16	1916965	4	LOCKWASHER, 3/8
17	1917356	3	LOCKWASHER, 5/16
18	1919326	1	WASHER, 11/32
19	1923325	6	CAPSCREW, Hex, Flange, Whizlock, 5/16-18 x 7/8
20	1923362	6	NUT, Hex, Center Lock, 5/16-18
21	1924940	5	WASHER, Flat, 13/32
22	1925205	3	CAPSCREW, Hex Hd., 5/16-18 x 5/8
23	1930659	3	NUT, Retainer, 5/16-18
24	1931332	5	CARRIAGE BOLT, 5/1 6-18 x 5/8
25	1931333	2	CARRIAGE BOLT, 5/16-18 x 3/4
26	1931348	4	CARRIAGE BOLT, 3/8-16 x 3/4
27	1935048	5	LOCKNUT, Flange, 5/16-18
28	1960001	3	SCREW, Hex, Washer Hd.,10-14 x 5/8
29	1960126	2	PUSH NUT, 1/4



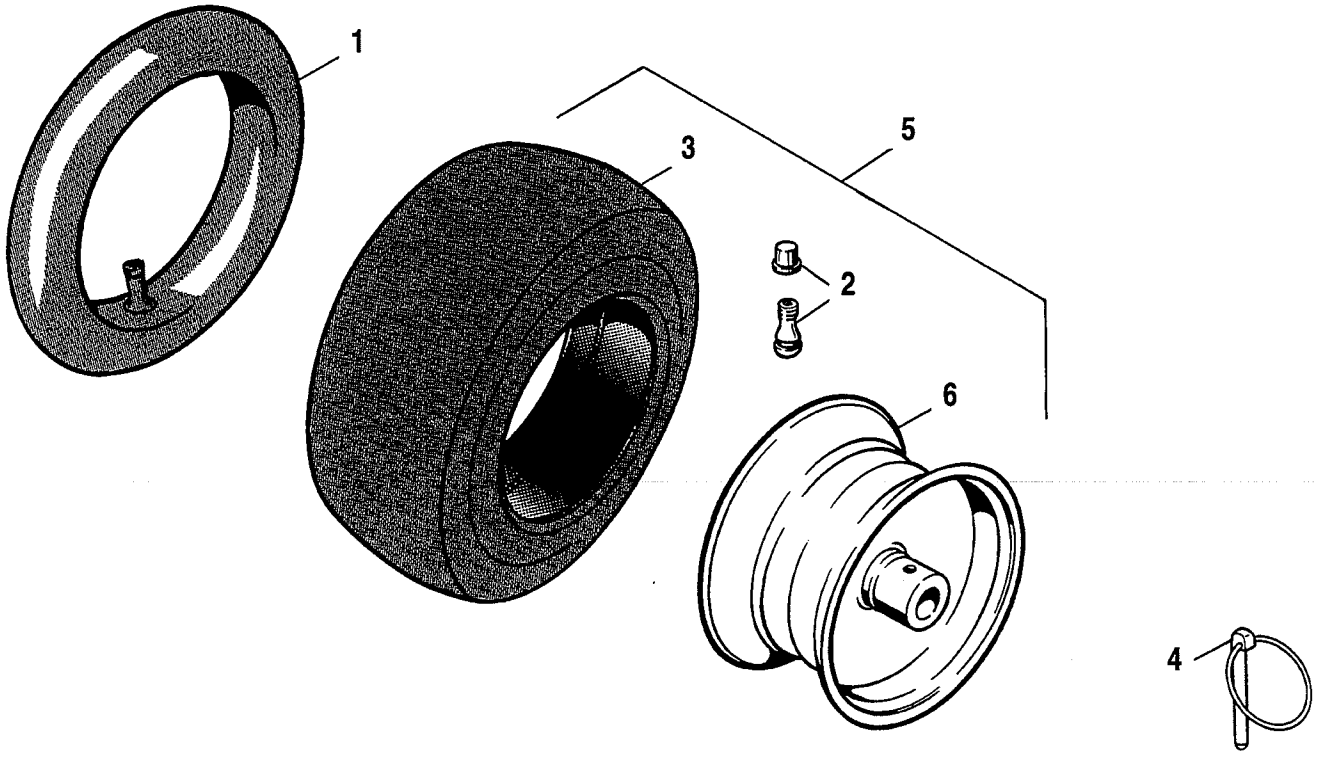
NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).

All Models

Auger Drive

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	118118	2	SEAL
2	118315	2	WASHER, Thrust
3	168111	1	WASHER, Thrust
4	918312	3	KEY, Woodruff, 3/16 x 5/8
5	921133	2	GREASE FITTING
6	930246	1	KEY, Woodruff, 1/4 x 3/4
7	936098	1	PIN, Drivelok, 3/16 x 1-1/2
8	1612093	1	SEAL, Oil
9	1612111	1	TUBE (used on 8-70, 9-70, 10-80 & 9/28 only)
10	1612117	1	SHAFT, Auger
11	1612124	1	GASKET
12	1612127	1	COLLAR, Thrust
13	1612129	1	SHAFT, Worm
14	1612130	1	AUGER ASSY., LH, 8-60, 8/24E
15	1612131	1	AUGER ASSY., RH, 8-60, 8/24E
16	1612132	1	AUGER ASSY., LH, 8-70, 9-70 & 9/28
17	1612133	1	AUGER ASSY., RH, 8-70, 9-70 & 9/28
18	1612134	1	AUGER ASSY., LH, 10-80
19	1612135	1	AUGER ASSY., RH, 10-80
20	1612136	1	CASE, Gear, LH
21	1612137	1	CASE, Gear, RH
22	1612141	1	GEAR, Worm
23	1612142	1	GEAR, Rolled Worm
24	1612149	2	BUSHING, Flange
25	1612187	1	IMPELLER ASSY.
26	1668344	2	PIN, Shear
27	1668971	1	PLUG, Pipe, Tapered, 1/8
28	1679293	1	PULLEY, Auger Input
29	1918447	2	PIN, Cotter, 3/32 x 3/4
30	1923358	6	LOCKNUT, Hex, 1/4-20
31	1928721	2	SETSCREW, Sq. Hd., 5/16-18 x 1/2
32	1960346	6	CAPSCREW, Hex Hd., 1/4-20 x 7/8
33	1960474	1	SETSCREW, Sq. Hd., 3/8-16x 1/2

NOTE: Use only Simplicity Cold Weather Special Worm Gear Oil In Worm Gear Housing. Single 8 Oz. Bottle, P/N 1704636; Case of 12 - 8 Oz. Bottles, P/N 1685406

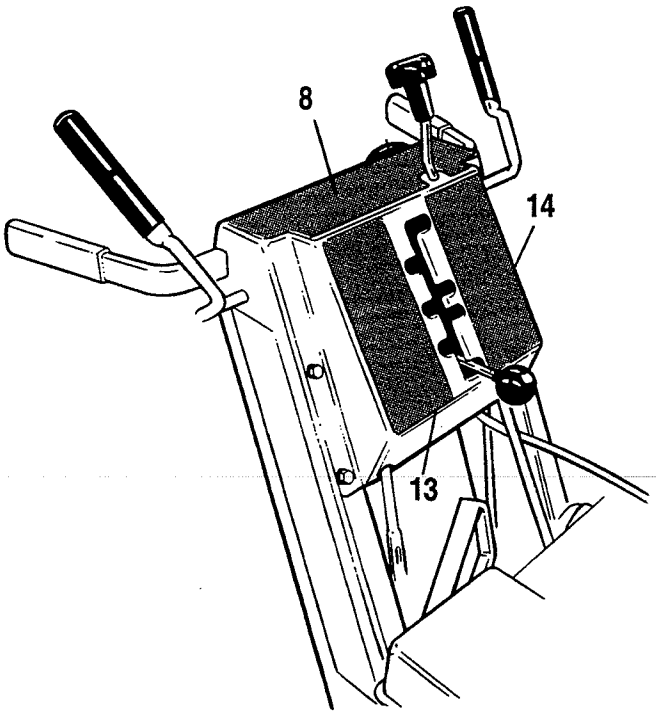


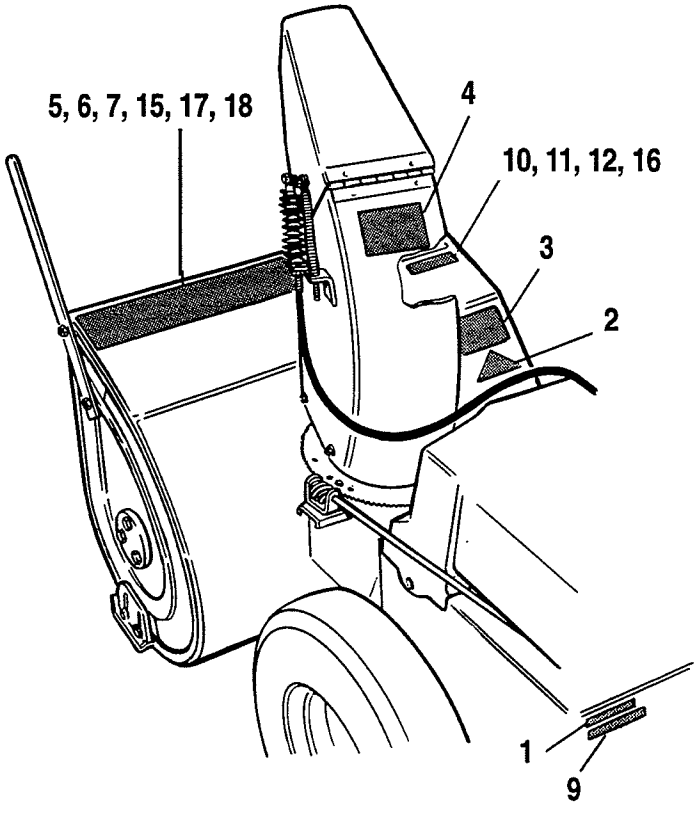
NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).

All Models

Tires & Wheels

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	153038	2	TUBE, 4.80/4.00-8
2	172353	2	VALVE STEM & CAP
3	1612000	2	TIRE, Snow Hog
4	1666969	2	PIN, Klik
5	1714235	2	WHEEL & TIRE ASSY. (Incl. Ref. Nos. 2, 3 & 6)
6	1714242	2	WHEEL ASSY. (Metallic Grey)


8
14
13


5, 6, 7, 15, 17, 18
4
10, 11, 12, 16
3
2
1
9

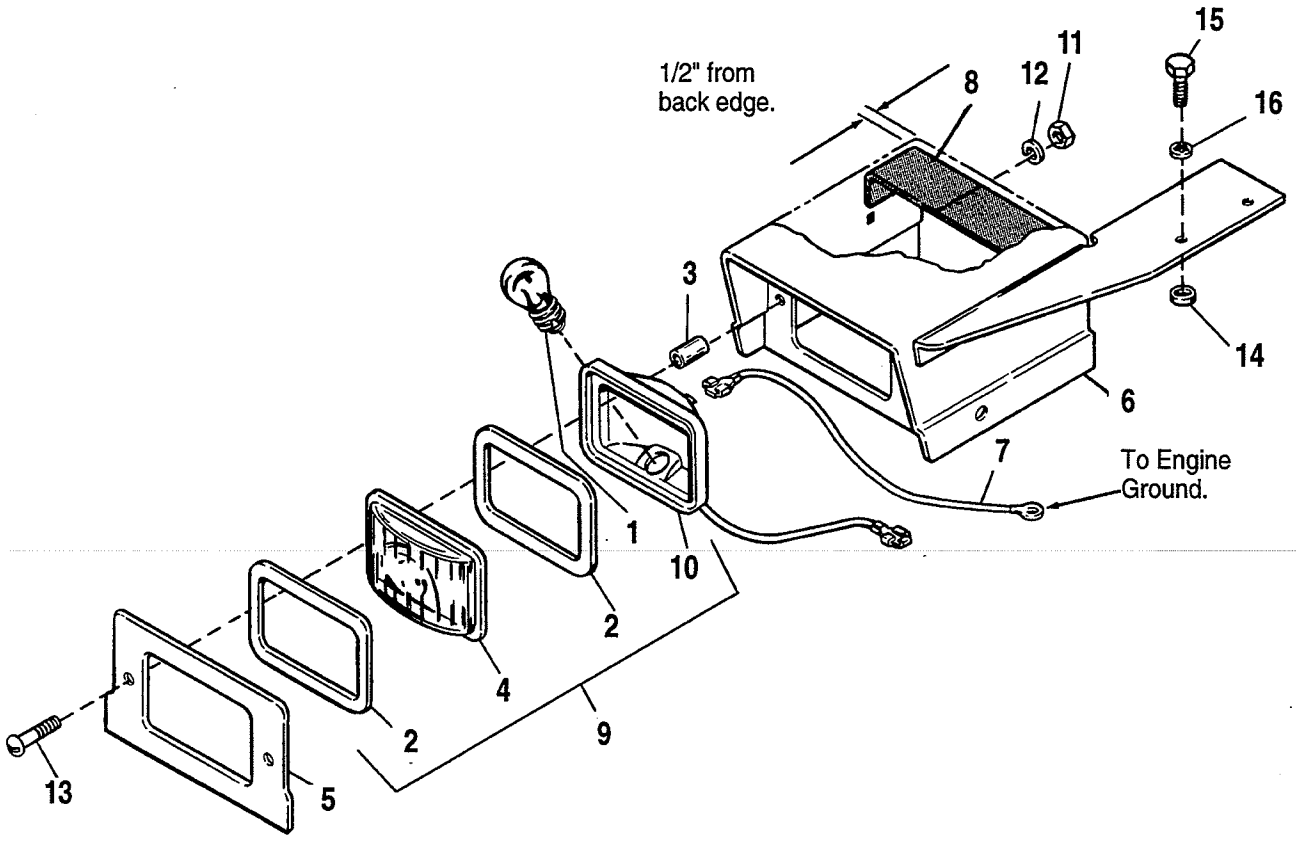
Decals

REF. NO.	PART NO.	QTY.	DESCRIPTION
1		1	I.D. Tag (Not Serviced)
2		1	DECAL, OPEI (Not Serviced)
3	1677485	1	DECAL, Danger, Auger
4	1677488	1	DECAL, Danger, Blower
5	1704624	1	DECAL, Simplicity Logo, 8-60
6	1704381	1	DECAL, Simplicity Logo, 8-70
7	1704382	1	DECAL, Simplicity Logo, 10-80
8	1705905	1	DECAL, Dash
9	1709061	1	DECAL, Touch Up Paint
10	1714104	1	DECAL, 10-80
11	1714105	1	DECAL, 8-70
12	1714106	1	DECAL, 8-60
13	1714245	1	DECAL, Shift Pattern, RH
14	1714246	1	DECAL, Shift Pattern, LH
15	1714842	1	DECAL, Auger, Simplicity Logo, 9-70
16	1714872	1	DECAL, Auger, 9-70
17	1715068	1	DECAL, Baker 8/24E
18	1715069	1	DECAL, Baker 9/28

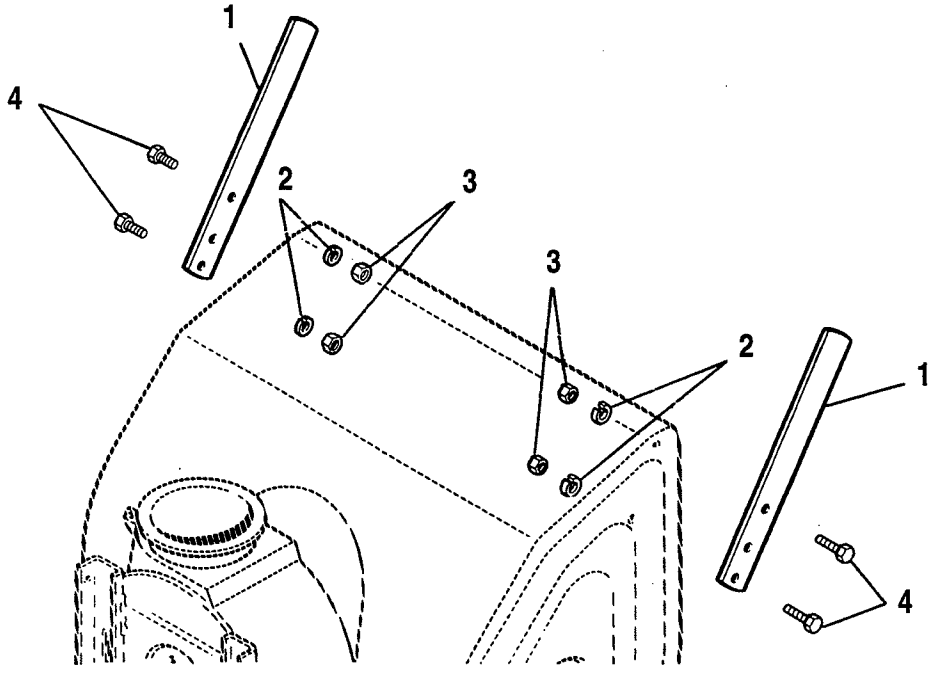
Ref. No. 4

Ref. No. 5

Headlight Group



Drift Cutter Kit (Optional)



NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).

Mfg. No. 1686665

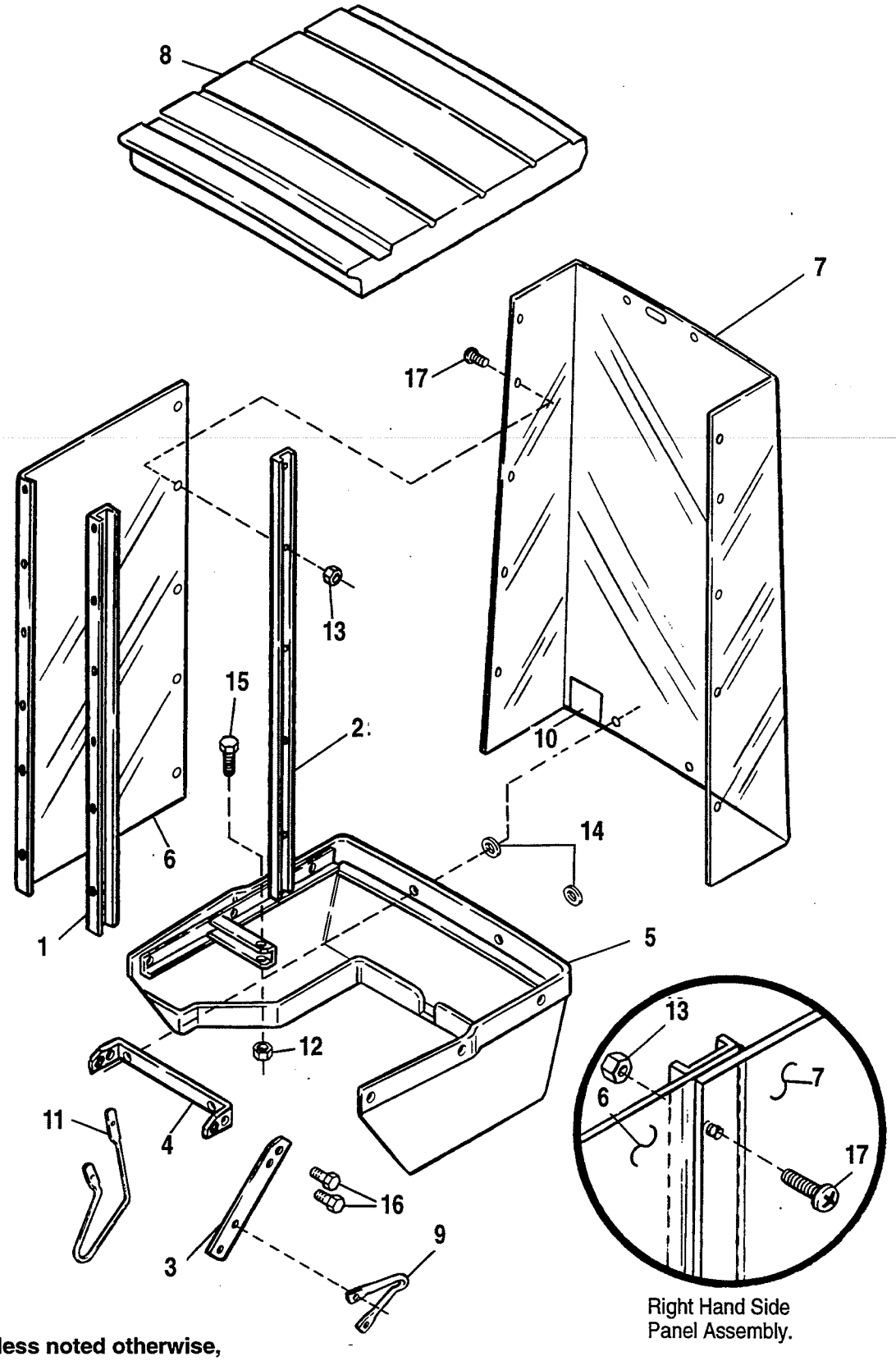
Headlight Group (Optional - available for use on 8-70, 9-70 & 10-80)

REF. NO.	PART NO.	QTY.	DESCRIPTION
1		1	BULB, #1141 (Obtain locally)
2	1654662	2	GASKET
3	1664792	2	SPACER
4	1668721	1	LENS, Amber
5	1668728	1	SUPPORT, Light
6	1668738	1	COVER ASSY., Headlight
7	1668762	1	WIRE, Light to Ground
8	1668830	1	PAD, Rubber
9	1704176	1	LIGHT ASSY. (Incl. Ref. Nos1,.2, 4, & 10)
10	1704177	1	SOCKET, Reflector
11	1916622	2	NUT, Hex, 1/4-20
12	1916964	2	LOCKWASHER, 1/4
13	1917451	2	SCREW, Round Hd., 1/4-20 x 1
14	1919381	4	WASHER, Plain, 5/16 x 1" O.D.
15	1921333	2	CAPSCREW, Hex Hd., 5/16-18 x 1
16	1923300	2	LOCKWASHER, Internal Tooth, 5/16

Mfg. No. 1685189

Drift Cutter Kit (Optional)

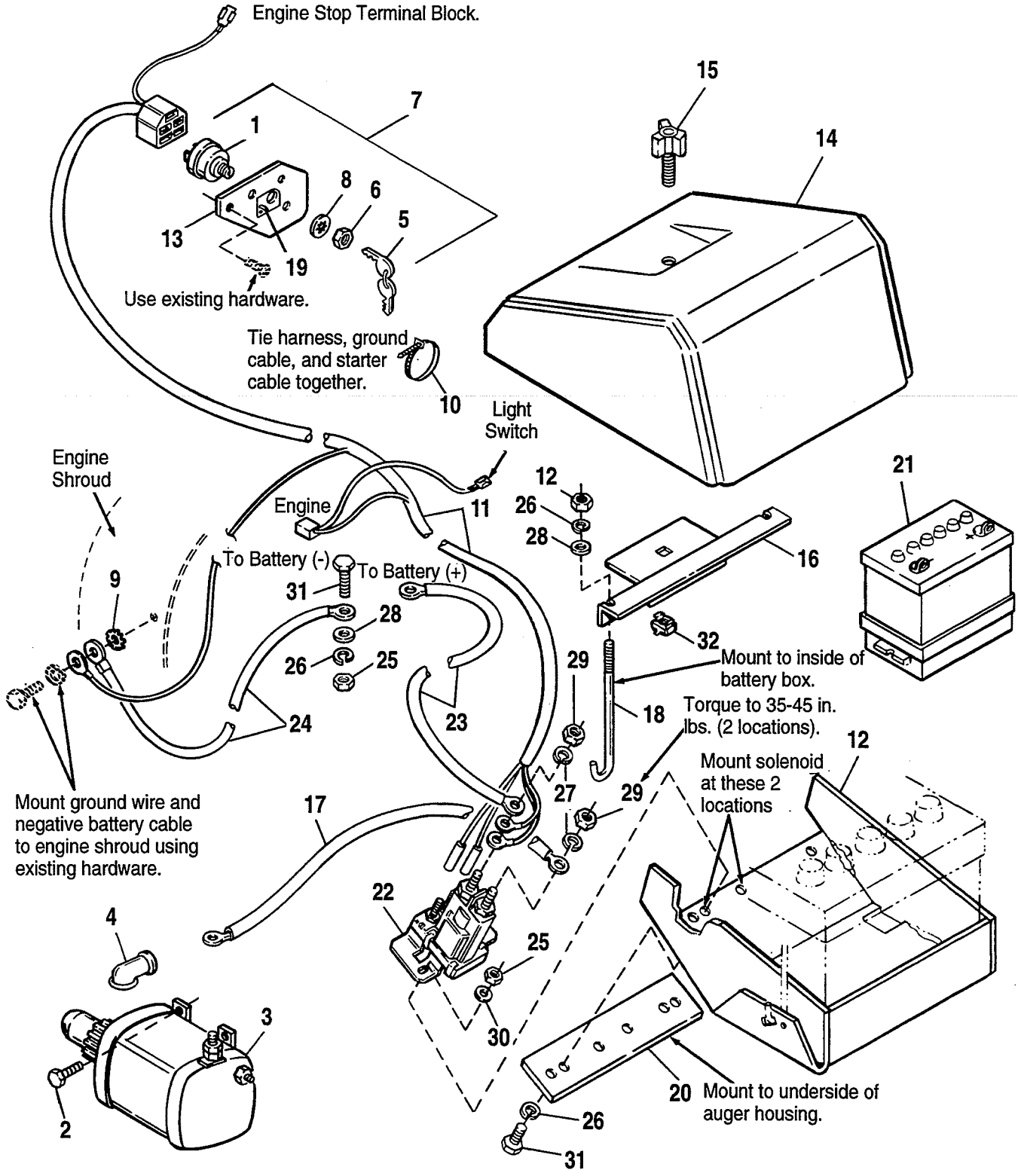
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	1668171	2	CUTTER, Drift
2	1917356	4	LOCKWASHER, 5/16
3	1917372	4	NUT, Hex, 5/16-18
4	1921332	4	CAPSCREW, Hex Hd., 5/16-18 x 3/4



Right Hand Side Panel Assembly.

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	1611730	2	CHANNEL, Side
2	1611731	1	SUPPORT ASSY., LH
	1611732	1	SUPPORT ASSY., RH (not shown)
3	1668851	2	SUPPORT, Side
4	1668852	1	SUPPORT, Front
5	1668869	1	SHROUD, Lower
6	1668884	2	PANEL, Side
7	1668886	1	PANEL, Front
8	1668887	1	COVER, Top
9	1669090	1	GUIDE, Rope
10	1669127	1	DECAL, Cleaning Instructions
11	1669150	2	ROD, Skid
12	1919438	2	LOCKNUT, Nylon, 5/16-18
13	1920397	37	LOCKNUT, Nylon, 1/4-20
14	1921319	3	WASHER, Flat, 1/4
15	1922127	2	CAPSCREW, Hex Hd., 5/16-18 x 1-3/4
16	1923341	4	CAPSCREW, Hex Hd., 1/4-20 x 3/4
17	1935945	33	SCREW, Phillips Truss Hd., 1/4-20 x 3/4


Engine Stop Terminal Block.
Use existing hardware.
Tie harness, ground cable, and starter cable together.
Light Switch
Engine Shroud
Engine
To Battery (-)
To Battery (+)
Mount ground wire and negative battery cable to engine shroud using existing hardware.
Mount to inside of battery box.
Torque to 35-45 in. lbs. (2 locations).
Mount solenoid at these 2 locations
Mount to underside of auger housing.

NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).

Mfg. No. 1691724 (Used on 10-80 model)

12 Volt Starter

REF. NO.	PART NO.	QTY.	DESCRIPTION
1		1	SWITCH (not serviced separately, order Ref. No.7)
2	*	4	SCREW (not serviced)
3	*	1	MOTOR, Starter (not serviced)
4	122023	1	COVER, Terminal
5	122203	1	KEY, Set of Two
6	122234	1	NUT, Special
7	178280	1	SWITCH, w/Key (Incl. Ref. Nos.1, 5, 6 & 12)
8	918906	1	LOCKWASHER, Int. Tooth, 5/8 (Zinc Pltd.)
9	920426	1	LOCKWASHER, Ext. Tooth 5/16 (Zinc Pltd.)
10	932747	1	TIE, Wrap
11	1612065	1	HARNESS, Wiring
12	1668731	1	SUPPORT ASSY., Battey,
13	1668743	1	BRACKET, Key Switch
14	1668756	1	COVER
15	1668777	1	KNOB
16	1668795	1	HOLD DOWN ASSY., Battery
17	1668819	1	WIRE, Solenoid to Starter, 25"
18	1668820	2	J-HOOK
19	1668905	1	DECAL, Key Switch
20	1671022	1	PLATE, Reinforcement
21	1685215	1	BATTERY, (Not included with kit)
22	1685290	1	SOLENOID
23	1701522	1	CABLE, Battery to Ground, 38"
24	1707056	1	WIRE, Battery to Solenoid, 15"
25	1916622	8	NUT, Hex, Full, 1/4-20 (Zinc Pltd.)
26	1916964	8	LOCKWASHER, 1/4 (Zinc Pltd.)
27	1917356	2	LOCKWASHER, 5/16 (Zinc Pltd.)
28	1917377	4	WASHER, Flat,1/4
29	1920263	2	NUT, Hex, Full, 5/16-24 (Zinc Pltd.)
30	1921319	2	WASHER,1/4
31	1923341	6	CAPSCREW, Hex,1/4-20 x 3/4 (Zinc Pltd.)
32	1930659	1	NUT, Cage, Tinnerman, 5/16-18

*** For service of this part, contact your local Tecumseh dealer.**

Part No.	Ref. No. & Page No.	Part No.	Ref. No. & Page No.	Part No.	Ref. No. & Page No.	Part No.	Ref. No. & Page No.
108202	1-19	1611945	8-19	1665994	8- 3	1668171	1-29
108202	1-21	1611989	9-19	1665994	8-5	1668174	15-5
108775	1-7	1612000	3-25	1665995	9-15	1668185	14-7
108775	1-11	1612065	11-33	1666001	9-3	1668185	14-11
108775	1-13	1612084	4-15	1666001	9-5	1668185	14-13
118118	1-23	1612086	5-15	1666105	10-15	1668186	15-7
118315	2-23	1612093	8-23	1666106	11-15	1668186	1511
122023	4-33	1612111	9-23	1666109	10-5	1668186	15-13
122203	5-33	1612117	10-23	1666114	12-15	1668187	16-7
122234	6-33	1612124	11-23	1666207	13-15	1668187	16-11
153038	1-25	1612127	12-23	1666230	14-15	1668187	16-13
157081	3-3	1612129	13-23	1666255	8-7	1668188	17-7
157081	3-5	1612130	14-23	1666255	8-11	1668188	17-11
168111	3-23	1612131	15-23	1666255	8-13	1668188	17-13
172353	2-25	1612132	16-23	1666256	9-7	1668189	18-7
177434	2-19	1612133	17-23	1666256	9-11	1668189	18-11
177434	2-21	1612134	18-23	1666256	9-13	1668189	18-13
178280	7-33	1612135	19-23	1666374	10-3	1668255	25-15
916168	2-7	1612136	20-23	1666374	11-5	1668344	26-23
916168	2-11	1612137	21-23	1666379	15-15	1668477	12-3
916168	2-13	1612141	22-23	1666425	16-15	1668477	16-5
916950	1-15	1612142	23-23	1666613	16-19	1668524	19-7
916965	2-15	1612149	24-23	1666613	8-21	1668524	19-11
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TORQUE SPECIFICATIONS FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)

SIZE	SAE GRADE #2		SAE GRADE #5		SAE GRADE #8	
	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
8-32	19	2.1	30	3.4	41	4.6
8-36	20	2.3	31	3.5	43	4.9
10-24	27	3.1	43	4.9	60	6.8
10-32	31	3.5	49	5.5	68	7.7
1/4-20	66	7.6	8	10.9	12	16.3
1/4-28	76	8.6	10	13.6	14	19.0
5/16-18	11	15.0	17	23.1	25	34.0
5/16-24	12	16.3	19	25.8	27	34.0
3/8-16	20	27.2	30	40.8	45	61.2
3/8-24	23	31.3	35	47.6	50	68.0
7/16-14	30	40.8	50	68.0	70	95.2
7/16-20	35	47.6	55	74.8	80	108.8
1/2-13	50	68.0	75	102.0	110	149.6
1/2-20	55	74.8	90	122.4	120	163.2
9/16-12	65	88.4	110	149.6	150	204.0
9/16-18	75	102.0	120	163.2	170	231.2
5/8-11	90	122.4	150	204.0	220	299.2
5/8-18	100	136	180	244.8	240	326.4
3/4-10	160	217.6	260	353.6	386	525
3/4-16	180	244.8	300	408.0	420	571.2
7/8-9	140	190.4	400	544.0	600	816.0
7/8-14	155	210.8	440	598.4	660	897.6
1-8	220	299.2	580	788.8	900	1,244.0
1-12	240	326.4	640	870.4	1,000	1,360.0

NOTES

1. These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
2. Recommended seating torque values for locknuts:
   a. for prevailing torque locknuts - use 65% of grade 5 torques.
   b. for flange whizlock nuts and screws - use 135% of grade 5 torques.
3. Unless otherwise noted on assembly drawings, all torque values must meet this specification.

Baker™

500 N. Spring Street, P.O. Box 997
Port Washington, WI 53074-0997

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